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June 11, 1999

WRITER'S DIRECT NUMBER:
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Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED
JUN 15 1999
TECH CENTER 1600/2900

Re: U.S. Utility Patent Application
Appl. No. 09/028,514; Filed: February 23, 1998
For: **Serum-Free Mammalian Cell Culture Supplemental, and Uses
Thereof**
Inventors: Gorfien *et al.*
Our Ref: 0942.4110002/RWE/GER

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Certificate Under 37 C.F.R. § 3.73(b), along with two Assignments from the inventors of the patent application, and an Assignment from Eli Lilly and Company;
2. Power of Attorney from Assignee; and
3. One (1) return postcard.

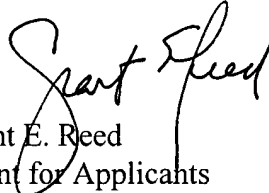
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Assistant Commissioner for Patents
June 11, 1999
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

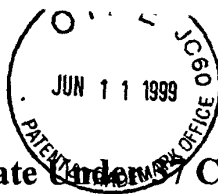
Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Grant E. Reed". The signature is fluid and cursive, with the first name "Grant" being more prominent than the last name "Reed".

Grant E. Reed
Agent for Applicants
Registration No. 41,264

GER:sep
Enclosures



Certificate Under 37 C.F.R. § 3.73(b)

Applicant: GORFIEN et al.

Application No: 09/028,514

Filed: February 23, 1998

For: Serum-Free Mammalian Cell Culture Medium, and Uses Thereof

Life Technologies, Inc.

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is an assignee of the patent application identified above by virtue of either:

A. ☒ Two Assignments from the inventors of the patent application identified above and an Assignment from Eli Lilly and Company.

[or]

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 7/6/98

Name: Alan W. Hammond

Title: Intellectual Property Attorney

Signature: Alan Hammond

ASSIGNMENT

COPY

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: 1) Stephen F. GORFIEN, 2) Richard M. FIKE, 3) Joyce L. DZIMIAN, 4) Glenn P. GODWIN, 5) Paul J. PRICE, 6) David A. EPSTEIN and 7) Dale GRUBER, the undersigned hereby sell(s) and assign(s) to Life Technologies, Inc. (the Assignee) his/her entire right, title and interest

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

in the invention(s) known as Serum-Free Mammalian Cell Culture Medium, and Uses Thereof for which application(s) for patent under the Patent Cooperation Treaty (also known as International Application No. PCT/US97/15296, filed September 2, 1997), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agrees to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represent that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: <u>1/20/98</u>	Signature of Inventor: <u>[Signature]</u> 1) Stephen F. GORFIEN
Date: <u>1-20-98</u>	Signature of Inventor: <u>[Signature]</u> 2) Richard M. FIKE
Date: <u>1/22/98</u>	Signature of Inventor: <u>[Signature]</u> 3) Joyce L. DZIMIAN
Date: <u>1/20/98</u>	Signature of Inventor: <u>[Signature]</u> 4) Glenn P. GODWIN
Date: <u>1/20/98</u>	Signature of Inventor: <u>[Signature]</u> 5) Paul J. PRICE
Date: <u>1/21/98</u>	Signature of Inventor: <u>[Signature]</u> 6) David A. EPSTEIN
Date: <u>1/21/98</u>	Signature of Inventor: <u>[Signature]</u> 7) Dale GRUBER

COPY

CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to the undersigned: Don McClure, the undersigned hereby sells and assigns to Eli Lilly and Company (the Assignee) his entire right, title and interest

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

in the invention(s) known as Serum-Free Mammalian Cell Culture Medium, and Uses Thereof for which application for patent under the Patent Cooperation Treaty (also known as International Application No. PCT/US97/15296, filed September 2, 1997), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agrees to execute all papers necessary in connection with the applications and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agrees to execute all papers necessary in connection with any interference that may be declared concerning the applications or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grants Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite his name.

Date: 2-9-98

Signature of Inventor: _____

Don McClure
Don McClure

STATE OF INDIANA)
) ss:
COUNTY OF MARION)

Subscribed and sworn to before me this 9th day of February, 1998.

My Commission Expires:

3/9/98

Shirley A. Banker
Shirley A. Banker, Notary Public
Resident of Shelby County

COPY

DOCUMENT EVIDENCING ASSIGNMENT OF RIGHTS

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, Eli Lilly and Company (the "Assignor"), located at Lilly Corporate Center, Indianapolis, Indiana 46285 USA, and Life Technologies, Inc. (the "Assignee"), located at P.O. Box 6482, 9800 Medical Center Drive, Rockville, MD 20850 USA, hereby affirm that Eli Lilly and Company has transferred to Life Technologies, Inc. all of Eli Lilly and Company's right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, in the invention(s) known as Serum-Free Mammalian Cell Culture Medium and Uses Thereof described and claimed in International Application No. PCT/US97/15296, filed September 2, 1997, in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all continuing applications, reissues, extensions, renewals and reexaminations of such applications or Letters Patent(s) to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The Assignor agrees to execute all papers necessary in connection with any interference that may be declared concerning the applications or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The Assignor agrees to perform all affirmative acts that may be necessary to obtain a grant of a valid United States patent to the Assignee.

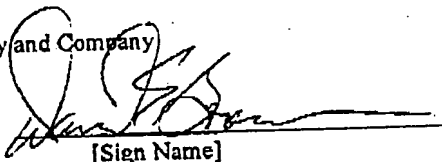
The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict therewith.

The Assignor hereby grants Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K. S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the Assignor on the date set forth below.

Eli Lilly and Company

By:


[Sign Name]

David E. Boone

[Type/Print Name]

Assistant Secretary, Deputy
General Counsel and
General Patent Counsel

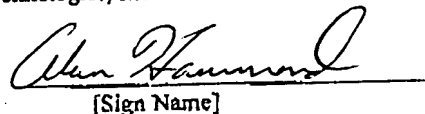
Title:

Date:

February 9, 1998

Life Technologies, Inc.

By:


[Sign Name]

Alan Hammond
[Type/Print Name]

Title:

Date:

Intellectual Property Attorney
2/9/98



POWER OF ATTORNEY FROM ASSIGNEE



Life Technologies, Inc., a corporation of Delaware, having a principal place of business at 9800 Medical Center Drive, P.O. Box 6482, Rockville, MD 20850, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of the Assignments to the Assignee executed on 1/20/98, 1/21/98, 1/22/98, and 2/9/98 of an invention known as Serum-Free Mammalian Cell Culture Medium, and Uses Thereof (Attorney Docket No. 0942.4110002), which is disclosed and claimed in a patent application of the same title by the inventors Stephen F. GORFIEN, Richard M. FIKE, Joyce L. DZIMIAN, Glenn P. GODWIN, Paul J. PRICE, David A. EPSTEIN, Dale GRUBER and Don McClURE (said application filed on February 23, 1998 at the U.S. Patent and Trademark Office, having Application Number 09/028,514).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Registration No. 28,912; Edward J. Kessler, Registration No. 25,688; Jorge A. Goldstein, Registration No. 29,021; Samuel L. Fox, Registration No. 30,353; David K.S. Cornwell, Registration No. 31,944; Robert W. Esmond, Registration No. 32,893; Tracy-Gene G. Durkin, Registration No. 32,831; Michele A. Cimbala, Registration No. 33,851; Michael B. Ray, Registration No. 33,997; Robert E. Sokohl, Registration No. 36,013; Eric K. Steffe, Registration No. 36,688, and Michael Q. Lee, Registration No. 35,239. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

FOR: Life Technologies, Inc.

SIGNATURE:

Alan W. Hammond

BY: Alan W. Hammond

TITLE: Intellectual Property Attorney

DATE:

7/6/98